



JUNE 2002 ENGINEERING AND RELATED SERVICES SOLICITATION

SOLICITATION CONCLUDED: June 12, 2002

DUE DATE D2/BOA: June 21, 2002

A = Estimated Consultant Contract cost < \$100,000

B = Estimated Consultant Contract cost > \$100,000 but less than \$1,000,000

C = Local Unit of Government Selects Consultant

D = Estimated Consultant Contract cost > \$1,000,000

Tied on one contract

****Open to all firms**

Concept Definition Reports or Scope of Service narratives are included as supplements to this solicitation. They are current at the time of Internet publication but are subject to change. Click on the PROJECT ID for more detail.

DISTRICT & SOLICITATION #	PROJECT ID	ANTICIPATED CONSTRUCTION COST	ANTICIPATED SELECTION DATE	ANTICIPATED PROJECT START DATE	ANTICIPATED PROJECT COMPLETION DATE	DBE GOAL ? (Yes or No)	LOCAL SELECTION? (Yes or No)	CONTACT PERSON	TELEPHONE #
DISTRICT 1									
D1 1B	2003-01-02**	N/A	1-Jul-02	1-Aug-02	30-Jun-04	Yes	No	Jay Obenberger	608.243.3379
D1 2B	2003-01-03**	N/A	1-Jul-02	1-Aug-02	30-Jun-04	Yes	No	Graham Heitz	608.246.3818
D1 3B	2003-01-13**	N/A	1-Jul-02	1-Aug-02	30-Jun-04	Yes	No	Brett Wallace	608.242.8021
D1 4B	2003-01-14**	N/A	1-Jul-02	1-Aug-02	30-Jun-04	Yes	No	Brett Wallace	608.242.8021
D1 5B	0617-01-14**	N/A	1-Jul-02	1-Aug-02	30-Jun-04	Yes	No	Brett Wallace	608.242.8021
D1 6B	0601-01-40**	N/A	1-Aug-02	1-Sep-02	30-Aug-03	Yes	No	Brett Wallace	608.242.8021
DISTRICT 2									
D2 1B	1060-05-06 \$	30,000,000	27-Jun-02	2-Sep-02	2-Sep-03	No	No	D. Nguyen	262.548.6725
D2 2B	1090-17-01 \$	9,000,000	1-Jul-02	1-Aug-02	1-Jul-05	Yes	No	D. Dembowski	414.303.2391
DISTRICT 5									
D5 1A	1000-45-10**	N/A	15-Jun-02	1-Aug-02	1-Jul-04	No	No	Bob Swartz	608.789.4611
D5 2A	5200-07-02**	N/A	15-Jun-02	1-Aug-02	1-Jul-04	No	No	Bob Swartz	608.789.4611
DISTRICT 8									
D8 1C	8360-01-00 \$	140,000	1-Jul-02	12-Aug-02	1-Mar-03	No	Yes	Julie Peterson	715.488.2735
D8 1A	1180-42-00**	N/A	1-Jul-02	3-Sep-02	1-Jun-03	Yes	No	Mary Jorgenson	715.392.7882
D8 1A	1180-45-00**	N/A	1-Jul-02	3-Sep-02	1-Jun-03	Yes	No	Mary Jorgenson	715.392.7882
DISTRICT 2 AND BUREAU OF AERONAUTICS									
D2 1B	1410-03-01 \$	5,800,000	Jul-02	Sep-02	May-06	Yes	No	Aziz Aleiow	262.548.6430
BOA 1B	0766-54-08	N/A	Jul-02	Sep-02	May-06	Yes	No	John Espie	608.267.3621



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 1

Scope of Service Narratives:

Both solicitation numbers open to all consultants

D1 1B

Project ID: 2003-01-02

Corridor Management Services Contract (Planning)

Two specialty master contracts

D1 2B

Project ID: 2003-01-03

Corridor Management Services Contract (Traffic)

The Madison Transportation District is soliciting for two specialty master contracts for Intelligent Transportation System (ITS)/Traffic and corridor planning services to start in July 2002, to assist the District Systems Planning and Operations business area. Each specialty master contract will be for \$400,000.

Proposed activities/tasks for specialty master contracts are:

- Design ITS elements into traditional roadway projects
- Create ITS Project Architectures to meet FHWA Architecture requirements
- Assist in the review, update, and follow through of a Regional Architecture
- Identify space requirements for various activities related to day-to-day operations of transportation systems.
- Assist the Department in developing Request for Proposals for various ITS projects
- Assist the Department in developing Request for Proposals for Public/ Private Partnerships
- Create traffic simulation models (ex. CORSIM, SYNCHRO, VISSIM, PARAMICS)
- Create training materials for the use of (ex. CORSIM SYNCHRO, VISSIM, PARAMICS)
- Teach training class(es) on the use of (ex. CORSIM, SYNCHRO, VISSIM, PARAMICS)
- Review and evaluate Traffic Impact Analysis (TIA's) performed by others
- Perform traffic turning movement count data collection studies
- Perform spot speed data collection studies
- Develop signals timing plans
- Develop signal-timing plans for closed loop signal systems
- Design traffic signals (may include: plan sheet, operation sheet, estimated quantities sheet, special provisions, estimated project cost)
- Design highway lighting (may include: plan sheet, operation sheet, estimated quantities sheet, special provisions, estimated project cost)
- Perform traffic studies (ex. signal warrant analysis, multi-way stop warrant analysis, crash analysis)
- Provide GIS support
- Provide access control platting and inventory services
- Convert existing access data into new database
- Enter data into access database
- Provide incident management related support
- Provide incident management related training

For more information please contact:

Jay Obenberger at 608.243.3379

Corridor Management Services Contract (Planning) Project I.D. 2003-01-02

Graham Heitz at 608.246.3818

Corridor Management Services Contract (Traffic) Project I.D. 2003-01-03



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 1 (cont.)

Scope of Service Narratives:

Both solicitation numbers open to all consultants

D1 3B

Project ID: 2003-01-13

2-Specialty Master Contracts

Technical Services Section, Survey Unit

D1 4B

Project ID: 2003-01-14

The Madison Transportation District (DTD-1) is soliciting for 2 specialty master contracts. The work done under these contracts will consist primarily of completing Certified Surveys for District One's excess land sales.

Work includes:

- research,
- staking,
- drafting,
- recording,
- stamping and
- any other incidentals necessary to complete a Certified Survey Map (C.S.M.)

Additional work done under this contract will consist of providing section corner location services.

Work may include research, location/verification of existing section corners, establishing new section corners, recording, stamping and any other documentation necessary to complete the work.

Contract work must be performed by a registered land surveyor.

Contact Person: Brett Wallace 608.242.8021.

Open to all consultants

D1 5B

Project ID: 0617-01-14

2-Party Consultant Contract Narrative

Technical Services Section, Materials Lab

The work done under this contract will consist of assisting WisDOT personnel with the testing of construction materials in the District One (Madison) Materials Laboratory. Additional work may also include District-wide pick-up and transportation of construction material samples. Requirements include current certifications for Asphalt Tech 1, Aggregate Tech IPP and P.C.C. Compressive Strength Testing Certification.

Contact Person: Brett Wallace 608.242.8021.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 1 (cont.)

Open to all consultants

D1 6B

Project ID: 0601-01-40

2-Party Consultant Contract

Technical Services Section, Environmental Unit

Stormwater Management Program

The work done under this contract will consist of preparation of drainage system mapping and field screening stormwater outfalls for illicit discharges for WisDOT jurisdictional highways within the following communities: Town of Blooming Grove, Town of Burke, Village of De Forest, City of Fitchburg, Village of McFarland, City of Madison, Town of Madison, City of Middleton, Town of Middleton, City of Monona, City of Sun Prairie, City of Verona, Town of Verona, Village of Waunakee, Town of Westport and Town of Windsor. The work is required by and described in the Department of Transportation and the Department of Natural Resources Cooperative Agreement Attachment A4, Part IV(C)(1) and Part V(A).

Drainage system mapping will be completed using GIS and includes the following activities:

- Retrieval and research of District as-built plans.
- Retrieval and research of municipal drainage system plans.
- Identification of stormwater outfall locations.
- Delineation of drainage area boundaries as defined in the Cooperative Agreement for stormwater outfalls.
- Creation of system base mapping using GIS digital aerial photography.
- Coordination with the City of Madison to use completed City mapping data.
- Inventory attribute data for the District's drainage systems and add the data to the GIS database.
- Field surveys for incomplete drainage system information.

Field screening of stormwater outfalls for illicit discharges will follow established WisDOT procedures. The consultant must notify the DNR of the illicit discharge within 24 hours of the discovery of an illicit discharge.

For more information, contact: Brett Wallace at 608.242.8021.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 2

Scope of Service Narratives:

D2 1B

Project ID: 1060-05-06

Dual bridge design review contract
Marquette Interchange
Milwaukee County

Scope: Review preliminary and final plans, specifications, construction cost estimates, construction schedules, sequencing, staging and maintenance of traffic plans, as prepared by others for the 9 dual designed bridges. Plan reviews will be in accordance with the ASSHTO Standard Specification for Highway bridges (and appropriate Guide Specifications) and WisDOT Bridge Manual. Work shall conform to standard engineering principles and practice. The Review consultant will work and coordinate activities with the District 2 Marquette Team, Central Office and the bridge design consultants. Members of this review team must be independent of the preliminary or final Marquette Interchange design teams. Construction is scheduled to begin in 2004.

This review contract shall include review of the preliminary and final plans for the 9 dual designs only. The WisDOT Central Office Bureau of Structures shall review the remaining 44 bridge plans, which are expected to be conventional girder or slab structures as defined by the WisDOT Bridge Manual.

Background: The project limits are defined as follows: CORE: The I-94 corridor from N. 26th Street to the Marquette Interchange, the I-794 corridor from the Marquette Interchange to Broadway Street, and the I-43 corridor from West State Street to the south end of the Menomonee Valley high rise bridge. NORTH LEG: The I-43 corridor from West State Street to West Brown Street, and the entrance and exit ramps to West North Avenue. The project limits include the replacement of the Plankinton Avenue Interchange with access from the north and south, the 13th Street eastbound exit ramp, and the realignment of North 11th Street at Wisconsin Avenue.

This project includes the new construction of approximately 53 bridges. Nine of the upper level bridges with the core area require dual designs (trapezoidal steel box girders vs. segmental precast concrete box girders) (approximately 13,229 lineal feet) through the preliminary and final engineering phases.

For more information about the dual bridge design review contract, contact David Nguyen at 262.548.6725.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 2 (cont.)

Scope of Service Narratives:

D2 2B

Project ID: 1090-17-01

I-43

Moorland Road Interchange

Waukesha County

Scope: Design project to be completed to 60%. Project will include engineering for installation of ramp meters, additional lanes (including HOV lane), and improving tapers on the northbound (NB) on ramp. Improve taper, add storage capacity and deceleration length to southbound (SB) off ramp. Reconstruct structures B67-107 and B67-108 (IH43 over Moorland Road). New structures will be widened to allow for three thru lanes of traffic. There is also a vertical clearance problem at Moorland Road which will need to be addressed. Replace decks B-67-105 and B-67-106 (IH43 over Beloit Road) and widen decks to allow for three thru lanes and improved tapers of Moorland Road NB on ramp and Moorland Road SB off ramp.

For more information, contact Doug Dembowski at 414.303.2391.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 5

Scope of Service Narratives:

D5 1A Open to all consultant firms

Project ID: 1000-45-10

District-wide Historical Review Master Contract

Buffalo, Crawford, Jackson, La Crosse, Monroe, Richland, Trempealeau and Vernon Counties

Project Scope:

The project scope is to conduct historical reviews and research and prepare reports necessary for compliance with Section 106 of the National Historic Preservation Act. These reports shall follow the methodology and format specified in the U.S. Secretary of the Interior's "Archeology and Historic Preservation; Secretary of the Interior's Standards and Guidelines" and the Wisconsin State Historical Society, Historic Preservation Division's "Architecture/History Survey Report Specifications for Compliance-Driven Surveys.

Work to be completed by the Consultant:

1. **"Reconnaissance surveys"** to determine if structures potentially eligible for the National Register of Historic Places (HRHP) are present within the "Area of Potential Effect" of projects. Research shall be documented on an Architecture/History Survey form (DT 1446 97)
2. **"Determination Of Eligibility"** documents for potentially eligible properties. The consultant shall research specific properties, identified in the Reconnaissance Surveys as being potentially eligible for the National Register of Historic Places and complete a copy of State Historical Society of Wisconsin Determination of Eligibility form HP-02-10 (6/1/94) for each potentially eligible property. The research will follow the methodology and format and the National Register Bulletin No. 16, Guidelines for Completing National Register Forms. Also, the research will be consistent with the methodology and format outline in the Department of Interior publication titled "Archeology and Historic Preservation; Secretary of the Interior's Standards and Guidelines;" 48FR4716-44742. The reports and national register form shall be acceptable to the Federal Highway Administration (FHWA) and the State Historic Preservation Office (SHPO). The reports and national register forms shall include maps and photographs as is appropriate.
3. Make recommendations regarding effect and avoidance of effect on eligible properties and review projects in the field, as necessary.

For more information, contact Robert Swartz, District 5 Environmental Coordinator 608.789.4611.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 5 (cont.)

D5 2A Open to all consultant firms

Project ID: 5200-07-02

Cass St. Bridge, City of La Crosse
Mississippi River Crossing, East Channel, B-300
USH 14/61
La Crosse County

Project Scope:

The project scope is to relocate any and all mussels located in the area of impact of four piers that are to be located in the waters of the Mississippi River for a new bridge crossing the main channel of the river and to monitor the mussels at the end of one month, one year and two years.

Work to be completed by the Consultant:

1. Prepare and implement a mussel relocation program in coordination with the US Fish and Wildlife Service, the US Geological Survey and the WisDNR and set up a pre-relocation conference meeting with all responsible parties to ensure that relocation activities are adequately coordinated.
2. Obtain all necessary permits and coordinate relocation watercraft with law enforcement agencies, such as the U.S. Coast Guard, WisDNR, La Crosse County Sheriff's Dept., City of La Crosse Police Dept., and other jurisdictions, to enhance the safety and efficiency of the relocation and quality assurance teams while working on the river.
3. Provide a qualified malacologist to relocate all Higgins' eye pearlymussels (Lampsilis higginsii) and other mussel specimens found within the Cass Street Bridge Project impact area (approximately 11,536 sq. ft.) according to the approved mussel relocation protocol.
4. Locate suitable mussel habitat for relocation (i.e. stable substrate, sufficient flow, available fish host, similar mussel community, low zebra mussel density, low recreational and commercial navigation traffic) near the impact area.
5. Monitor the mussel relocation according to an approved protocol and monitor at the end of one month, one year and two years.
6. Provide a report on the results of the mussel relocation project within three months of the conclusion of each monitoring period.

For more information, contact Robert Swartz, District 5 Environmental Coordinator 608.789.4611.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 8

D8 1C

Project ID: 8360-01-00

CONCEPT DEFINITION REPORT

Wisconsin Department of Transportation District 8

DT1627 99

WisDOT Project ID Number 8360-01-71		Form Preparation Date August 8, 2001	
Highway or Local Road Name East River Road	Hwy N°/Letter Local	County Burnett	Length 28.3 feet
Project Limits/Title Trade River Bridge		Functional Class Local Road	Current ADT N/A
Project Description/Location (Sec-Twn-Range) Town of Anderson Sec. 34,35 T37N R19W		Is Roadway on the National Highway System (NHS)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Roadway Condition			
Pavement: N/A	Type	Width	Year
	Pavement Serviceability Index (PSI)	Pavement Distress Index (PSI)	International Roughness Index (IRI)
Shoulder:	Type	Width	Year
Substandard Alignment:	Horizontal <input type="checkbox"/> YES <input type="checkbox"/> NO	Vertical <input type="checkbox"/> YES <input type="checkbox"/> NO	Accident Rate
	Structure Condition		
Bridge:	Number	Type	Year Constructed
	Existing: P-07-0050	Single span steel deck girder	1925
	Proposed: B-7-51		
	Clear Roadway Width 15.0 feet	Sufficiency Rating (SR) 41.4	Rate Score (RS) 70.5
Justification for Project—Describe Why Project Is Needed The existing structure is structurally deficient and functionally obsolete.			
Proposed Improvement—Describe Scope of Work Replace the existing structure with a new structure that meets current standards.			
THIS PROJECT IS / IS NOT LOCATED IN A FLOOD HAZARD AREA			
Environmental Document Type III pER	Improvement Type Bridge Replacement	Cost \$165,000	Program Year 2003
Local Approving Authority Burnett County	Local Participation 20%	Date Approved July 27, 2001	Access Control None
Information Below to Be Completed by the WisDOT District Office			
Design ID	Related ID's	PMSID	Program 2053
Project Supervisor Richard Washkuhn			

For more information, contact Julie Peterson at 715.488.2735.

FY2002 JUNE SOLICITATION



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

Open to all consultants

D8 1A

Project I.D. 1180-42-00

36th Ave. – Bear Trap Road
USH 2 Ashland County

Project I.D. 1180-45-00

Bear Trap Road – Odanah
USH 2 Ashland County

The work consists of field surveying services for aerial mapping, r/w plat development, and design for the subject projects. Services shall include establishing vertical control, locating highway centerline, running stationing, establishing elevations for all previously set aerial control targets, research and recovery of existing USPLS corners, collecting field data such as property pins, underground utilities, drainage structures, and wetland limits, and field survey of areas that can't be determined by aerial mapping (obscure areas). WisDOT will be establishing horizontal control throughout both projects to enable the use of GPS/RTK equipment. The Consultant shall prepare a Wisconsin Summary Index. All work shall be completed and all data shall be forwarded to WisDOT according to standards provided in the WisDOT Facilities Development Manual.

Horizontal Control: Wisconsin County Coordinate System

Units of Measure: English (feet)

Obscure Areas: 5-10% of the project for estimating time

	Project 1180-42-00	Project 1180-45-00
Number of T targets	6	6
Number of V targets	10	12
Number of USPLS corners	Approximately 25	Approximately 24

T targets require both horizontal and vertical data.

V targets require only vertical data.

Data for mapping must be completed by January 1, 2003.

All survey data must be completed by March 1, 2003.

Contract complete June 1, 2003.

For more information, contact Mary Jorgenson at 715.392.7882.



JUNE 2002 DESIGN ENGINEERING AND RELATED SERVICES SOLICITATION

TRANSPORTATION DISTRICT 2 /BUREAU OF AERONAUTICS (BOA)

Scope of Service Narratives:

A Special NOI is available for this solicitation and is due June 21st.

D2/BOA-1B Joint Highway / Airport project

Project ID: 1410-03-01 (Highway)

0766-54-08 (Airport)

General Information:

It is the intent of WisDOT to award this combined design project to one firm and execute separate engineering contracts for the highway and airport work elements. The highway contract document used for this project is the 2 Party Design Engineering Services dated June 10, 1998 located at <http://www.dot.state.wi.us/dbm/bfs/caucontr.html>. The airport contract document used for this project is the Contract for Design Consultant Services dated June 28, 2001 located at <http://www.dot.state.wi.us/dtid/boa/business.htm>. This selection process may be used for construction related contracts related to the project.

Project details are presented in the Preliminary Environmental Assessment available for review online at <http://www.dot.state.wi.us/dtid/boa/index.htm>.

Highway Scope:

The highway project will widen approximately 2 miles of STH 33 to 4 lanes and relocate the highway to accommodate airport expansion. The highway shall have a rural 4-lane divided cross section. The cross section transitions on the west end from a 5-lane urban section, with two way left turn lane, and narrows on the east end to a 2-lane rural section.

Airport Scope:

The airport project will construct a new 5,500-foot primary runway. A full parallel taxiway and approach lighting is included to facilitate full precision approach capability. The project will also provide additional aircraft parking apron, hangar expansion, and other support facilities.

Project Schedule:

Authorization to proceed with design services is anticipated for September 2002. The real estate relocation order is scheduled for October 2003. The submittal date for draft plans, specifications, and estimates is May 2005.

Work to be completed by the Consultant:

Work to be completed by the consultant includes: preliminary and final design, wetland mitigation and environmental permits, subsurface investigations, pavement type selection report and FAA pavement design forms, design study report, agency and utility coordination, public involvement, hydraulics/hydrology and roadway drainage design, property surveys, right-of-way plat and property plan sheet, traffic control/staging plan, plan preparation, obstruction surveys, quantities, estimate, and special provisions.

For more information about the highway project, contact Aziz Aleiow at 262.548.6430.

For more information about the airport project, contact John Espie at 608.267.3621.